

Patent claims

1. A cosmetic composition containing electric carriers which comprises 0.1 to 10% by weight of a cosmetically acceptable, solid electret material with a particle size of 0.05 to 100 μm , which electret material has an induced permanent dipole moment and a permanent electric dipole field with a field strength of 500 to 10^7 Vm^{-1} , furthermore comprising cosmetic carrier substances, auxiliaries, further active agents or a mixture thereof in an amount ranging up to 100% by weight, the percentage data being relative to the total weight of the composition.

2. A composition according to Claim 1 wherein the electret which is to be brought in the electrete state is selected from among polymerised fluorocarbons, polyethyleneterephthalate, polymethyl methacrylate, polyimides, polypropylene, polyethylene, polyurethanes, polyureas, ceramics, glasses, glass ceramics and mixtures thereof, all of which have been converted into the electret state.

3. A composition according to Claim 2 wherein the polymerised fluorocarbons are selected from the group consisting of polytetrafluoroethylene (PTFE), fluorinated ethylene propylene (FEP), polyvinylidene fluoride (PVDF), amorphous fluoropolymer (AF) and mixtures thereof.

4. A composition according to Claim 2 wherein the ceramics or glass ceramics are those containing oxidic base materials, selected from the group consisting of zirconium oxide, titanium oxide, magnesium oxide, lithium oxide, calcium oxide, silicon dioxide, barium oxide and mixtures thereof.

5. A composition according to Claim 1 wherein the electret has an induced permanent electric dipole moment in the range of 10^{-15} to 10^{-24} Coulomb x meter.

6. A composition according to Claim 1 wherein the electret is used together with a cosmetic active agent, which active agent is selected from among a product containing Vitamin A in an amount of at least 0.1 % Vitamin A in the overall composition, a product containing Vitamin E in an amount of at least 0.1 % Vitamin E in the overall composition, a product containing Creatine or a mixture thereof.

7. A composition according to Claim 6 wherein the Vitamin A content or the Vitamin E content is provided by a Vitamin A derivative or a Vitamin E derivative, respectively.

8. A composition according to Claim 1 wherein the electret has a permanent electric field with a coercive force of 10^4 to 10^6 Vm^{-1} .

9. The use of electrets with an induced permanent dipole moment and a dipole field strength of 500 to 10^7 Vm^{-1} in an amount of 0.1 to 10 % by weight and with a particle size of 0.05 to 100 μm , selected from polymerised fluorocarbons, polyethylene-terephthalate, polymethyl methacrylate, polyimides, polypropylene, polyethylene, polyurethanes, polyureas, ceramics, glasses, glass ceramics and mixtures thereof, all of which have been converted into an induced electret state, together with cosmetic carrier substances, auxiliaries, further active agents or a mixture thereof in an amount ranging up to 100 % by weight in cosmetic creams, lotions, gels, powders and sticks

for improved absorption of nutrients and active agents into the skin.

10. Use according to claim 9 together with an active agent selected from the group consisting of Vitamin A, Vitamin B, Vitamin E, creatine, derivatives thereof, and mixtures thereof.

11. A cosmetic composition containing electric carriers which comprises 0.1 to 10 % by weight of a cosmetically acceptable, solid electret material with a particle size of 0.05 to 100 μm , which electret material has an induced permanent dipole moment and a permanent electric dipole field with a field strength of 500 to 10^7 Vm^{-1} , furthermore comprising cosmetic carrier substances, auxiliaries, further active agents or a mixture thereof in an amount ranging up to 100 % by weight, the percentage data being relative to the total weight of the composition, prepared by heating of a non-ferromagnetic solid material to a temperature below its melting temperature but above its softening temperature, exposing of the solid material to an electric field of 1000 to 10^7 V/m , spontaneous cooling the solid material, grinding of the produced electret material to a particle size of 0.05 to 100 μm and mixing into a cosmetic composition below 50 °C.